Here is a data dictionary summarizing the key columns in the dataset:

| **Column Name** | **Description** |
| --- | --- |
| Booking\_ID | Unique identifier of each booking |
| no\_of\_adults | Number of adults |
| no\_of\_children | Number of children |
| no\_of\_weekend\_nights | Number of weekend nights (Saturday or Sunday) |
| no\_of\_week\_nights | Number of weeknights (Monday to Friday) |
| meal\_type | Meal type booked by the customer |
| required\_car\_parking\_spaces  room\_type\_reserved | Does the customer require a car parking space? (0 - No, 1 – Yes)  Type of the room reserved by the guest. |
| lead\_time | Number of days between the booking date and arrival date |
| arrival\_year | Year of arrival |
| arrival\_month | Month of arrival |
| arrival\_date | Date of arrival |
| market\_segment | Market segment designation |
| repeated\_guest | Is the customer a repeated guest? (0 - No, 1 - Yes) |
| no\_previous\_cancellations | Number of previous bookings canceled by the customer prior to the current booking |
| previous\_bookings\_not\_canceled | Number of previous bookings not canceled by the customer prior to the current booking |
| avg\_price\_per\_room | Average price per day of the reservation (in euros) |
| no\_of\_special\_requests | Total number of special requests made by the customer (e.g., high floor, view from the room, etc) |
| booking\_status | Flag indicating if the booking was canceled or not |